

Claims

What is claimed is:

- 5 1. A method for transitioning communications with a mobile terminal from a wireline network to a wireless network, wherein the mobile terminal is provided with a primary directory number associated with the wireline network, the method comprising:
 - 10 a) receiving a request for a temporary directory number, which has been temporarily assigned to the mobile terminal by the wireless network;
 - b) accessing the temporary directory number; and
 - c) providing the temporary directory number to allow a wireless connection to be established with the mobile terminal via the wireless network.
- 15 2. The method of claim 1 wherein an initial connection for a call is established through the wireline network via a terminal adaptor.
- 20 3. The method of claim 2 wherein the request is received from the terminal adaptor and the temporary directory number is provided to the terminal adaptor.
- 25 4. The method of claim 3 wherein the terminal adaptor initiates establishment of the wireless connection and transfer of communications from the wireline connection to the wireless connection.
- 30 5. The method of claim 4 wherein the terminal adaptor is coupled to a wireline switch in the wireline network and the terminal adaptor initiates establishment of the wireless connection by sending a request to the wireline switch to establish a connection to the mobile terminal via the wireless network using the temporary directory number and wherein the transfer of communications from the wireline connection to the wireless connection is effected by the wireline switch.

6. The method of claim 1 wherein the temporary directory number is accessed from the wireless network.
- 5 7. The method of claim 6 wherein the temporary directory number is accessed via a home location register associated with the wireline network.
- 10 8. The method of claim 7 wherein the home location register accesses the temporary directory number from a visiting location register associated with the wireless network.
- 15 9. The method of claim 8 wherein the visiting location register accesses the temporary directory number from a wireless switch, which facilitates the wireless connection with the mobile terminal.
10. The method of claim 2 wherein the mobile terminal registers with the wireless network while being served by the wireline network.
- 20 11. The method of claim 10 wherein the mobile terminal registers with the wireless network while a connection is established via the wireline network.
- 25 12. The method of claim 10 wherein the mobile terminal registers with the wireless network prior to a connection being established via the wireline network.
13. The method of claim 10 wherein the mobile terminal registers with the wireless network prior to transitioning to the wireless connection.
- 30 14. The method of claim 1 further comprising:
 - a) establishing a wireline connection via the wireline network;
 - b) establishing the wireless connection via the wireless network; and

- c) transferring communications with the mobile terminal from the wireline connection to the wireless connection.

- 5 15. A system for transitioning communications with a mobile terminal from a wireline network to a wireless network, wherein the mobile terminal is provided with a primary directory number associated with the wireline network, the system comprising:
- a) a communication interface; and
 - b) a control system associated with the communication interface and adapted to:
 - 10 i) receive a request for a temporary directory number, which has been temporarily assigned to the mobile terminal by the wireless network;
 - ii) retrieve the temporary directory number; and
 - 15 iii) provide the temporary directory number to allow a wireless connection to be established with the mobile terminal via the wireless network.
- 20 16. The system of claim 15 wherein an initial connection for a call is established through the wireline network via a terminal adaptor.
- 25 17. The system of claim 16 wherein the request is received from the terminal adaptor and the temporary directory number is provided to the terminal adaptor.
- 30 18. The system of claim 17 wherein the terminal adaptor initiates establishment of the wireless connection and transfer of communications from the wireline connection to the wireless connection.
19. The system of claim 18 wherein the terminal adaptor is coupled to a wireline switch in the wireline network and the terminal adaptor initiates establishment of the wireless connection by sending a request to the wireline switch to establish a connection to the mobile terminal via the

wireless network using the temporary directory number and wherein the transfer of communications from the wireline connection to the wireless connection is effected by the wireline switch.

- 5 20. The system of claim 15 wherein the temporary directory number is accessed from the wireless network.
21. The system of claim 20 wherein the temporary directory number is accessed via a home location register associated with the wireline network.
- 10 22. The system of claim 21 wherein the home location register accesses the temporary directory number from a visiting location register associated with the wireless network.
- 15 23. The system of claim 22 wherein the visiting location register accesses the temporary directory number from a wireless switch, which facilitates the wireless connection with the mobile terminal.
- 20 24. The system of claim 16 wherein the mobile terminal registers with the wireless network while being served by the wireline network and the temporary directory number is generated in response to the mobile terminal registering with the wireless network.
- 25 25. The system of claim 24 wherein the mobile terminal registers with the wireless network while a connection is established via the wireline network.
26. The system of claim 24 wherein the mobile terminal registers with the wireless network while prior to a connection being established via the wireline network.
- 30 27. The system of claim 24 wherein the mobile terminal registers with the wireless network prior to transitioning to the wireless connection.

28. The system of claim 15 further comprising a wireline switch adapted to:
- a) establish a wireline connection with the terminal adapter;
 - b) initiate a call to the mobile terminal using the temporary directory
5 number to establish the wireless connection via the wireless
network; and
 - c) transfer communications with the mobile terminal from the wireline
connection to the wireless connection.